

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 December 2004 (09.12.2004)

PCT

(10) International Publication Number
WO 2004/106731 A1

(51) International Patent Classification⁷: **F03B 13/00**, 9/00, 17/06

(21) International Application Number:
PCT/SG2004/000161

(22) International Filing Date: 31 May 2004 (31.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
200303232-3 2 June 2003 (02.06.2003) SG

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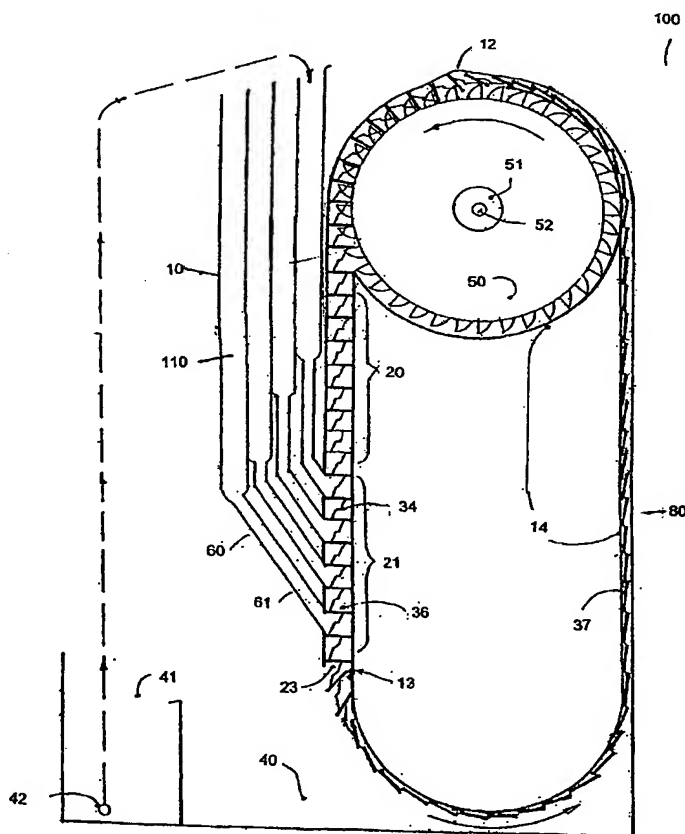
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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

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(54) Title: PORTABLE HYDRO-GENERATOR



(57) Abstract: A portable hydro-generator (100), for
the generation of power, including a tower (10) filled
with a driving fluid (110), a semi-sealed curved tubu-
lar housing (80) with a drive portion (81) and a return
portion (82) primed with a fluid (70), said drive portion
(81) having a larger diameter than the return portion
(82), an inlet means (60) to allow said fluid to enter said
tubular housing (80), a plurality of paddles (30) to har-
ness the kinetic energy of the fluid entering the curved
tubular housing, a linkage assembly (34) to link said
plurality of paddles, a drive chamber (83), a sprocket
(50) within said drive chamber (83) to engage a portion
of said paddles, and an output power generator attached
to said sprocket. A paddle (30) adapted to be used in
the hydro-generator include a top surface (31), a bot-
tom surface (32), seals (33) to prevent water leakage
through the paddles, a linkage bar (34) to allow an at-
tachment of said paddle to subsequent paddle, wherein
the top surface of the paddle further includes studs (39)
to increase the effective surface area of the top of the
paddle.

WO 2004/106731 A1



Published:

— with international search report

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